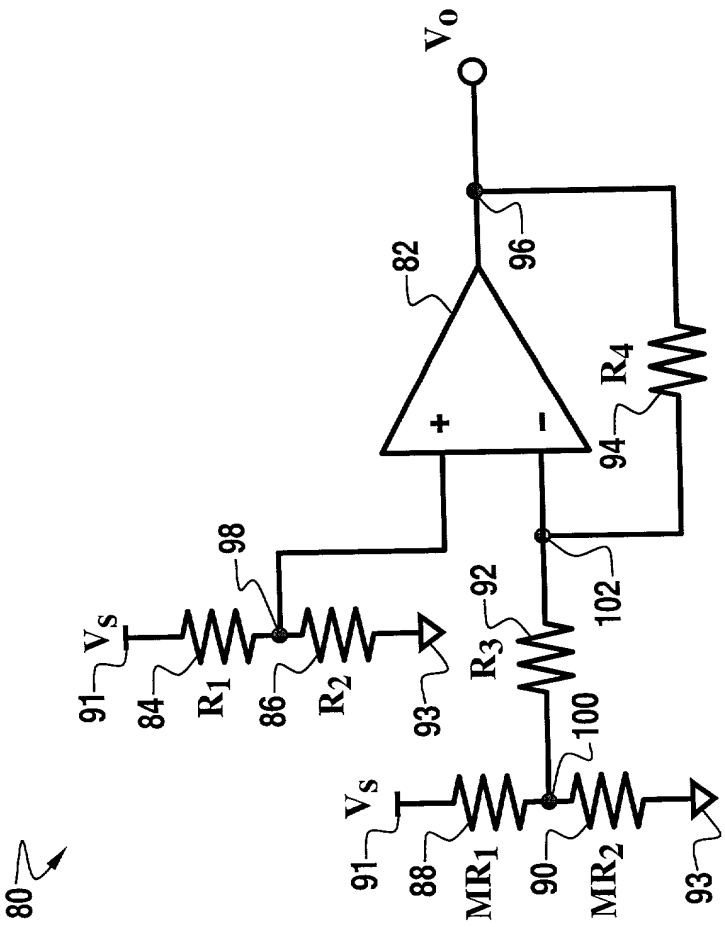
80
91
V_S
84
R_1
86
R_2
93
98
82
V_o
96
94
R_4
92
R_3
102
91
V_S
88
MR_1
90
MR_2
93
100

Fig. 1

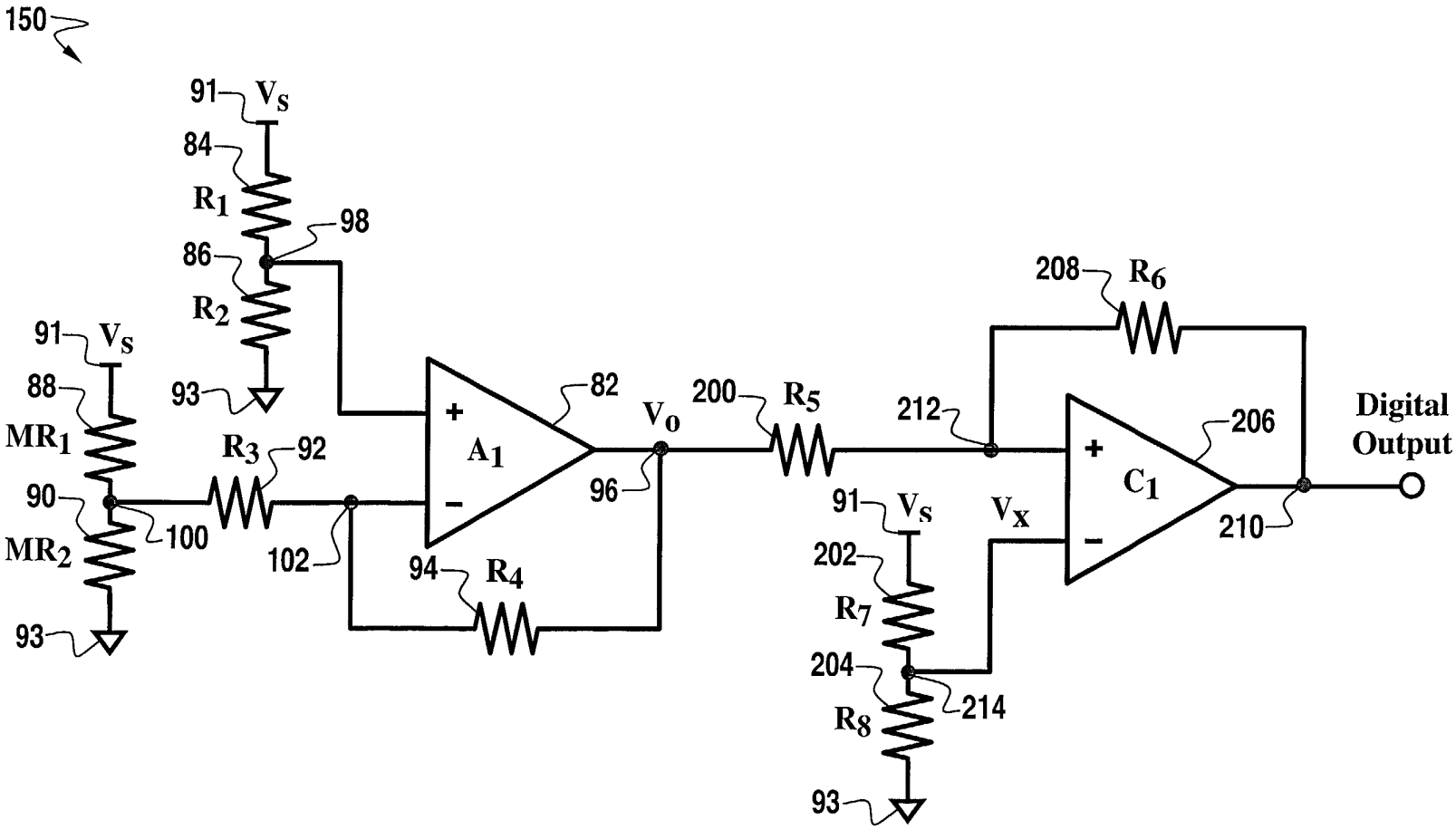
150
91
Vs
84
R1
98
86
R2
93
91
Vs
88
MR1
90
MR2
93
R3
92
100
102
+
A1
−
82
Vo
96
94
R4
200
R5
212
208
R6
206
C1
210
Digital
Output
91
Vs
202
R7
204
214
R8
93
Vx

Fig. 2

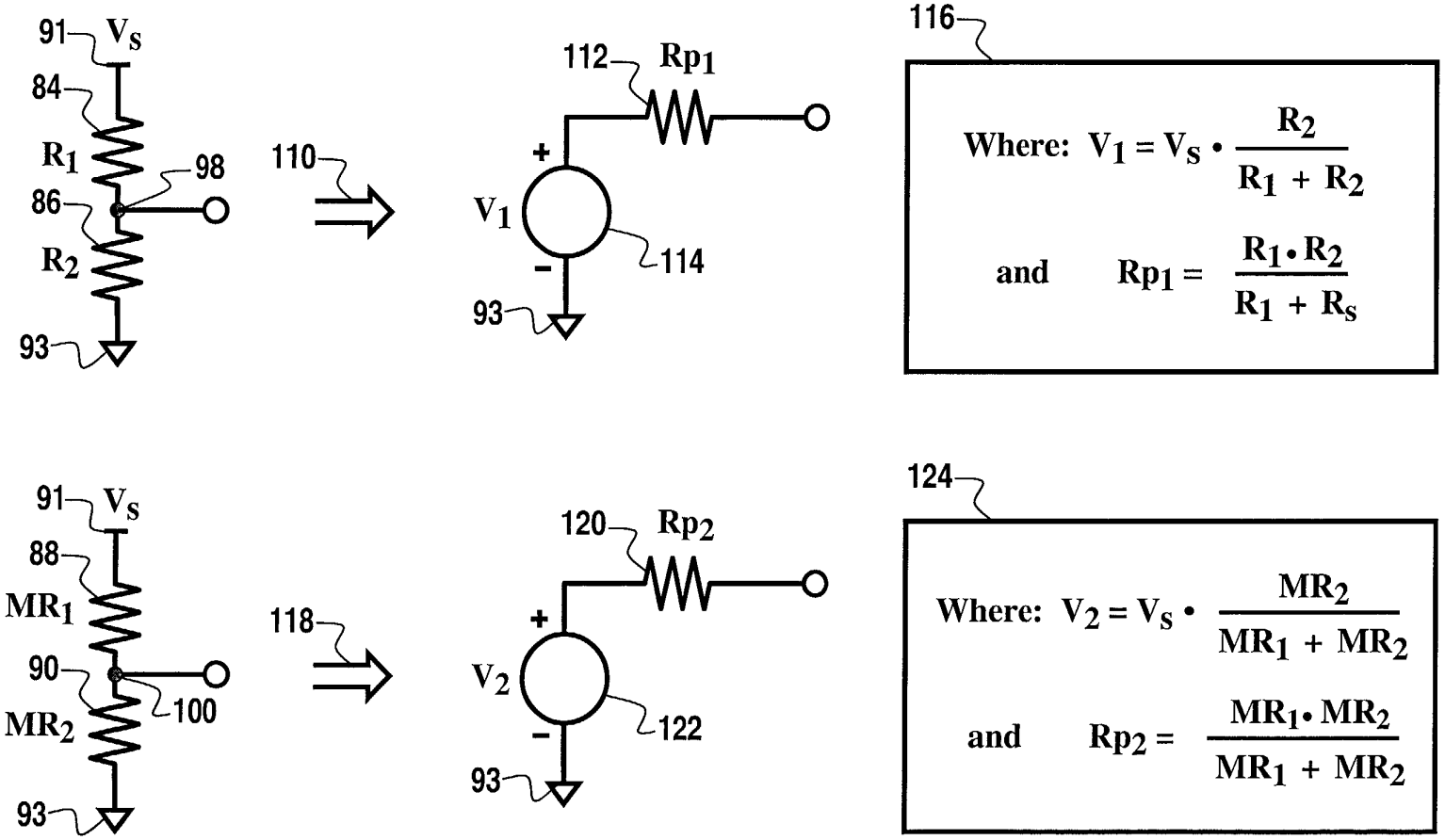
91
Vs
84
R1
98
86
R2
93
110
112
Rp1
+
V1
-
114
93
116
Where: V1 = Vs • R2 / (R1 + R2)
and Rp1 = (R1 • R2) / (R1 + Rs)
91
Vs
88
MR1
90
100
MR2
93
118
120
Rp2
+
V2
-
122
93
124
Where: V2 = Vs • MR2 / (MR1 + MR2)
and Rp2 = (MR1 • MR2) / (MR1 + MR2)

Fig. 3

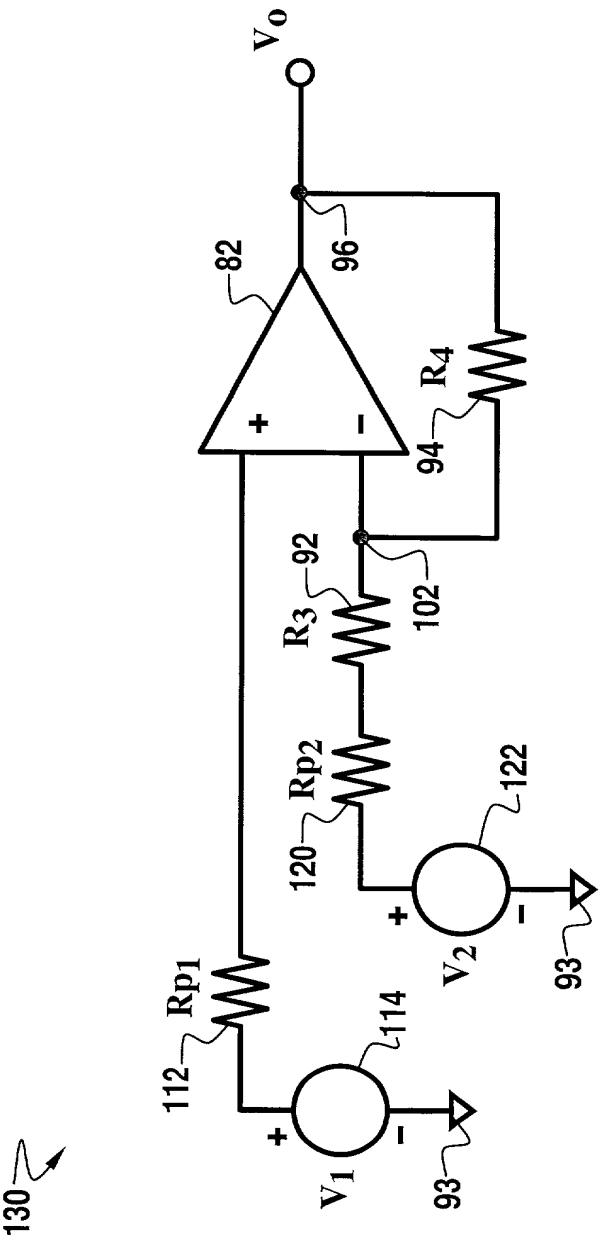

Fig. 4

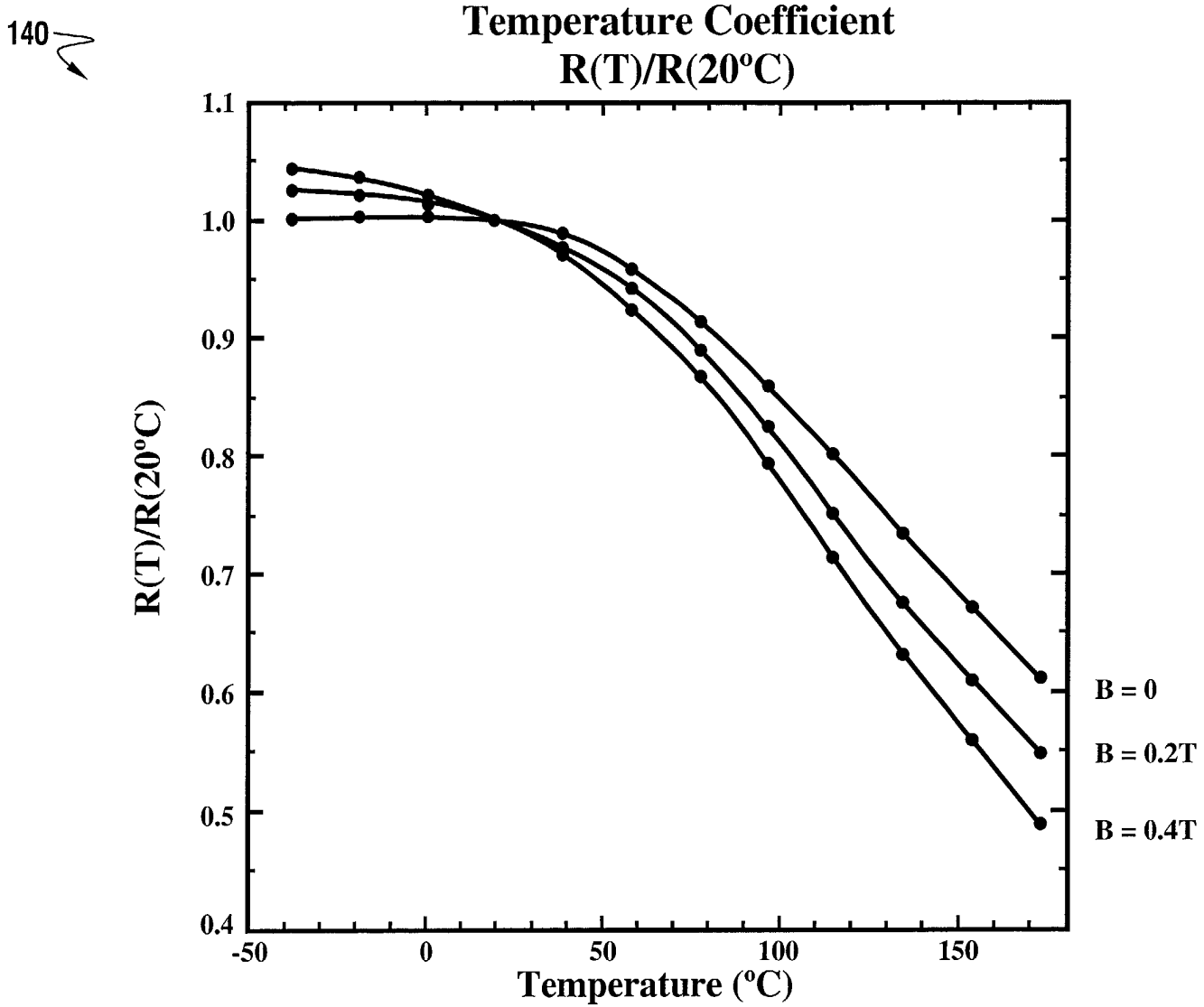
140
Temperature Coefficient
R(T)/R(20°C)
R(T)/R(20°C)
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
-50
0
50
100
150
Temperature (°C)
B = 0
B = 0.2T
B = 0.4T

Fig. 5